



SPECIFICATION

TITLE OF INVENTION

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Dumpster Cover Assembly

CROSS-REFERENCE TO RELATED APPLICATIONS

Dumpster Cover Assembly - Provisional Patent Application USPTO# 60/363347 - 03/11/2002

DESCRIPTION OF THE INVENTION

Background of the Invention

0001 The invention relates to a common problem with open top roll off dumpsters wherein the open top allows access to the contents of the dumpster from the outside as well as the problem of the contents of the dumpster not being enclosed and exposed to the outside environment. The open top of a common roll off dumpster allows exposure of the contents to the environment and permits weather conditions, children, animals, or people access to the contents of the dumpster and/or allows unwanted material or debris to be thrown into the dumpster by unsecured personnel. The 'Dumpster Cover Assembly' permits the contents of the roll off dumpster to be enclosed and secured eliminating exposure of the contents to the outside environment while keeping the dumpster easily accessible for loading needs from the top or through the rear door. It is light weight and transportable when installed.

Brief Summary of the Invention

0002 The 'Dumpster Cover Assembly' is a light weight, portable, removable, interchangeable, 'hook-on' bow assembly with nylon, canvas, or vinyl cover that restricts the exposure of the contents of the dumpster to the outside environment while limiting access to the contents inside the dumpster. The dumpster cover 'hooks-on' to the outer top rail of the dumpster and can be installed without tools to any common roll off dumpster without making modifications to the dumpster itself. The 'Dumpster Cover Assembly' is able to be dismantled and transported via car or pickup truck to any job site location for installation. The 'Dumpster Cover Assembly' allows the dumpster to be loaded from the top or rear door and can quickly be secured at the end of the days work. Additionally, the sloped cover design keeps rain, water, or snow from accumulating inside the dumpster. Dumpster liners can be installed first with the assembly brackets fitting over top of the poly liners without tape or glue securing the liner up and over the dumpster top rail. Upon completion of loading the dumpster, the cover assembly can be removed or the dumpster can be transported for unloading with the cover assembly in place. Thickness of the nylon, canvas, or vinyl cover will determine the compliance with D.O.T. regulations.

FIG. 1 - Side view of the bracket hooks comprised of approx. 1/4 inch hardened steel bar shaped to specifications.

FIG. 2 - Wood block or metal flange that comprises the bracket body.

FIG. 3 - Size and depth of drill holes into wood or metal block bracket body.

FIG. 4 - Side view of the steel hooks attached to the wood or metal block bracket body. There are two hooks per wood block. This completes the assembly of a single bracket.

FIG. 5 - Assembled brackets are hooked onto the upper rails of the dumpster. There are two brackets per bow one hooked to either side of the dumpster.

FIG. 6 - Bows are shaped to approximate specifications with 3/4 inch aluminum tubing.

FIG. 7 - Assembled brackets are hung and positioned along both sides of the dumpster top rail parallel to one another.

FIG. 8 - Bows are inserted through 1 inch holes on the bracket assembly suspending them across the top of the dumpster.

FIG. 9 - Rear view of hung brackets and inserted bows across top of dumpster.

FIG. 10 - A nylon, canvas, or vinyl cover is draped over top of the dumpster bows and over all four sides of the dumpster and pulled tight and secured through grommet holes along the edges of the cover to the outer dumpster body with cord, bungee straps, or lockable steel cable.

DETAILED DESCRIPTION OF THE INVENTION

0003 The dumpster cover assembly is a tarp and bow cargo cover system that 'hooks-on' to the top rail of any roll off construction dumpster and is suspended across the top of the dumpster enclosing its contents. The system is held in place by manufactured brackets consisting of inverted hooks shaped to fit around and over the top dumpster rails (FIG. 1, FIG. 2). Two hooks are attached to a wood or metal bracket body to create one single bracket (FIG. 3, FIG. 4). Bow brackets are attached to the dumpster and held in place by the inverted hooks onto the top rails of the dumpster with the bracket hanging towards the inside of the dumpster body (FIG. 5). Bows are manufactured from metal tubing and shaped with a pitch to allow for water runoff (FIG. 6). Brackets are hung and aligned along both sides of the dumpster body to allow for bows to be inserted. There are two brackets per bow (FIG. 7). The bows are attached to the brackets by inserting the bow ends through holes in two attached brackets that are 'hooked-on' to the top rails of the dumpster suspending the bow across the top of the dumpster body (FIG. 8, FIG. 9). After assembling several suspended bows across dumpster body, a nylon, canvas, or vinyl cover is draped over top of the bows and partially down all four sides of the dumpster and secured through grommet holes to the sides of the dumpster with cord, bungee straps, or lockable steel cable (FIG. 10).